## WHAT IS CLAIMED IS:

1. A fuel cell system comprising:/

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a fuel cell unit;

a humidifier unit for humidifying process gases to be fed to the fuel cell unit; and

heatable water-carrying media conduits which provide water to said humidifier unit.

- 2. The fuel cell system according to Claim 1, further comprising a unit for extracting water from process gases of said fuel cell unit and providing it to said heatable media carrying conduits.
- 3. The fuel cell system according to Claim 1, wherein said media conduits include an electrically heatable conduit section.
- 4. The fuel cell system according to Claim 1, wherein the heatable media conduits are provided downstream of the fuel cell unit.
- 5. The fuel cell system according to Claim 1, wherein said heatable media conduits are disposed between a water separator

unit;

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for separating water from cathode of f-gas of said fuel cell and a metering point for feeding media into a cathode air input.

- 6. The fuel cell system according to Claim 1, further comprising a heatable drain line for discharging water from the fuel cell unit.
  - 7. A fuel cell system comprising:

a fuel cell unit;

a first conduit for providing process air to a cathode side input of said fuel cell unit;

a humidifier unit disposed in said first conduit for adding moisture to said process air;

a/second conduit for providing water to said humidifier

wherein said second conduit comprises a heatable conduit section for warming said water.

8. The fuel cell system according to Claim 7, further comprising a unit for extracting water from process gases of said fuel cell unit and providing it to said second conduit.

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